

Amendments to the Specification:

Please replace the paragraph beginning on page 15, line 26 with the following rewritten paragraph:

Consequently, in this embodiment, when the charge accumulating device 1 is charged during learning, the data for the period before the charged energy has been discharged is not used. Hereafter, this is referred to as “input with condition selected in this embodiment.” For example, a charged input stopping device 54 prevents the input of the data to the neural network until energy charged in the charge accumulating device is discharged.